



Ø BEAT

MAY 1985



COLORADO SPRINGS,
COLORADO

Frank Drake - KL7IPV
4964 Harvest Rd.,
Colorado Springs, CO. 80917

FIRST CLASS MAIL



Ø BEAT



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The Pikes Peak Radio Amateur Association meets on the second Wednesday of each month at Giuseppe's Depot Restaurant at 10 S. Sierra Madre at 7:30 p.m. All amateurs and interested parties are invited to attend.

Editor: Frank Drake KL7IPV, 4964 Harvest Rd. Colorado Springs, CO 80917 597-2406

COMPUTER CORNER

Well, Ye Olde Editor has returned from a trip to beautiful downtown WACO, Texas. The weather was great. If you don't mind getting up at six AM and finding the weather to be 61 and 99% humidity! It did get better (?) later though. It warmed up to 85 and the humidity went all the way down to 80%! Yup, it felt like warm rain all the time. But, my wife likes it warm, so I guess it wasn't all that bad. We spent a week in Texas on what was supposed to be only a three day trip. Learned alot and met some neat people. Anyone who says Texans aren't friendly musta been meeting the wrong people. Anyway, I got to thinking of how I could improve upon a program for this club scandal sheet. So, as a result of that thinking process, this month I am running a program that makes up a pring out that you can just glue to the reverse of a postcard. It is suitable for QSLing SWL reports also. It will ask for the necessary information for a card and print out the proper format in response. Hope you like it. Thanks this month to Ken Wyatt and Frank Freiler for their contribution to the newsletter. There must be more of you out there who have tales to tell. Lets have 'em. Now the threat. If you don't start sending me some stuff, I will be forced to print some of my own. I can tell some tall ones after twenty years in this hobby. But, I'm sure yours will be of more interest! Come on, lets get 'em in here. I must thank Larry Kral for his help. Larry takes the time to print out a complete GATEWAY while at work and runs the stack to me each month. So, between Larry, Ken, Frank and Worldradio News I am finding that this job isn't so much of a JOB anymore. My sincere thanks to you all. Note also that I have listed more new hams and upgrades. My classes will run until the end of May. I think that I'll be ready for a break and so will the students. It has been fun and I've been learning right along with them. I didn't realize how much I'd forgotten. It all comes back, though, when you start cussing and discussing radio. The people that I had in class were ready and very willing to learn. It is very rewarding to see new people get their licenses and have them call you an the phone to let you know they have it. I got a call at ten in the evening from one who was very excited about getting his call and wanted me to be the first to know. Rewarding? You bet! I guess I'll close this up and finish the news letter. If you have any suggestions for this or would like to put something in, call me. If you have something to sell, call me. If you don't have the time to write, call me and I'll type it in while you read it to me on the phone. The article from Tom Toblissen was done that way. Which brings up another column. If I get an article each month from repeater trustees, I will run their comments under a REPEATER column. I know there is/are a lot of interest and questions about the repeaters in town. Who better to answer them than the trustees? So all you trustees out there, lets hear it. We are all part of the same fraternity and it would help if we all knew each other, even if only through this newsletter. That's it for this month. See you at the meeting. Happy HAMMING. 73 - FRANK

Thanks to Frank Freiler - WB0PAJ for the following article, "UNUSUAL MOMENTS"

A few years ago we had just finished a Field Day on the mountain above Woodland Park. After the antennas were all taken down and all the equipment loaded up, we proceeded down Ute Pass, convoy style. Just as we entered Manitou we began to hear all mixed up language on 52. Proper procedure was thrown to the winds! Everybody seemed to be talking at once. We discovered quickly that we were right on the middle of a tornado in Manitou. The police closed the roads into Manitou but several of our club stayed to help with any communication emergencies. All sort of rumors flew around. One that the Pikes Peak Railroad Engine had been blown off its pedestal in the park. This turned out to be untrue. One of our club members was directing traffic at the Pottery Plant intersection. The newspapers, radio, and TV came out with reports that this was the first and only tornado to ever hit Manitou in 100 years. And our club was right there in the middle of it when it happened. What a coincidence!

Several years ago we were holding Novice classes on the top floor of the First Bank on T-Gap. The session ran a little late before we started downstairs. When we got down to the lobby we started saying goodnight to each other and headed for the door. But we found the door locked. Then people began running up and down the corridors in the bank and pulling on doors. All to no avail. Suddenly we all realized we were locked in the bank and nobody there but us. One of the gang had a hand-held with him and he put out a call on "two". I'll never forget the reply from outside! "Where did you guys say you are?" Finally one of the gang went down some steps leading to a basement and began yelling at the top of his voice, "Hello, hello." We heard a faint answer from a distance "hello,hello." The watchman! He came up and let us out and we had a good laugh about it. But, as I drove back to my apartment I wondered what would have happened if a cop had come up T-Gap and saw a dozen guys running up & down the corridor and pulling on doors inside the bank. Probably we would have been surrounded by half the Springs police force with guns drawn in five minutes.

From Ken Wyatt - WA6TTY comes the "FOX HUNT NEWS"

The April Fox Hunt took place on Sunday, April 17th. Bob (NICKIE) took first place again merely by using the body shielding technique for direction finding! This shows that sophisticated equipment is not a requirement to participate in the activity. The equipment used was a Kenwood handheld with no S-meter.

The procedure for this technique is simple. Hold the radio about one or two feet from your body and even with your stomach. Slowly rotate around while you listen to the receiver. Your body will null out the received signal and the hidden transmitter will be directly behind you.

The next hunt will be held on May 12 (the Sunday following the next general meeting). Meet at the Chapel Hills Mall west parking lot. The hunt starts at 1:00 PM. We try to limit the time to one or two hours maximum. See you next time.

NEW ADDRESS:

Ken Wyatt - WA6TTY
56 Aspen Dr., Woodland Park
Phone: 687-1428

**Centennial ★ ★ RCA
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2324 East Bijou, Colorado Springs, CO 80909
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Howard W. Sams

TAB BOOKS

REPEATER COMMENTS

The oldest repeater group in the Colorado Springs area is the Pikes Peak F.M. Association. Operating the 146.37/97 and the 146.16/76 repeaters since the early 1970's, the group continues to be one of the most active around. With approximately 95 members, the association operates one of the best long distance repeaters in the state. The PPFMA was reorganized in 1979 to bring in an elected board of directors and officers. At that time the existing "homebrew" repeater equipment was upgraded to state of the art Motorola solid state gear and battery backup emergency power. In 1984 a complete realignment of the equipment increased the system's coverage and improved reliability. More recently the group added a simplex autopatch system to allow its members access to phone lines. This has proven very useful for routine and emergency calls. Especially when base stations are not available to lend a hand. The PPFMA also continues to be an active element in public service by supporting the El Paso County Search and Rescue, ARES, Southern Colorado Traffic Net, Skywarn, the Pikes Peak Marathon and many other groups.

The PPFMA has recently announced plans to upgrade the current 37/97 system to a state-of-the-art micro processor controlled system, thus allowing for better control of the equipment and also freeing up the existing radio to replace the aging 16/76 equip. Also, there are plans to put the new 16/76 system at a new location allowing it improved local coverage.

With the warm weather upon us the association's tech committee is planning several work parties to rearrange antennas and make other improvements, this should allow our friends on the western slope to reach back into 37/97 with their massive 220 & 450 network. Other linking projects are under way, and with the planned new repeater equipment these should not be too far off.

The PPFMA is always looking for interested hams to get involved with the many projects that come with keeping a good repeater on the air. They are also interested in getting as many of the repeater users to join up & help support the effort. The group requires a lot of time and dollars to keep it going, so PITCH IN. The dues are only \$20 per year

and can be mailed to:

PPFMA c/o Andy Freeborn - N0CCZ
5222 Borrego Dr., C.S. 80918

by: Tom Tobiassen - N0BZ

Congratulations to new hams and upgrades:
Don DePierre - now a general, call unk.
John Kerezturi - NOVICE KA0UGH
Hugh Metcalf - now a general, call unk.
John Patterson - NOVICE call unk.

It is rewarding to coach a student and see them get new licenses. If you haven't tried it, do it. One of those things that makes this hobby fun is in watching it grow!

BOARD MEETING MINUTES - NONE

For lack of a quorum, the board meeting was called off and everyone went home to watch "SPACE". (Sounds good to me. Ed.)

GENERAL MEETING FOR MAY

The next general meeting will be at #10 Sierra St, at Giuseppe's Depot at 7:30PM and the program will be John, WD0AIT to speak about the Nat'l Traffic System. Oh, the date? It will be May 8th. See you there. May be a surprise for the drawing!

If it's CW, it's communications.

832-1111	ALL MAJOR BRANDS SALES-SERVICE	832-1111
8-530 Mon.-Fri. 8:30-1 Sat.		

W0RFX Bob K0LAF
John W0ADV

CW

CW ELECTRONIC SALES CO.
800 Lincoln St., Denver, CO 80203

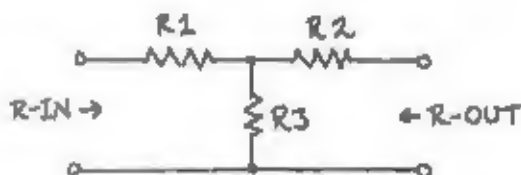
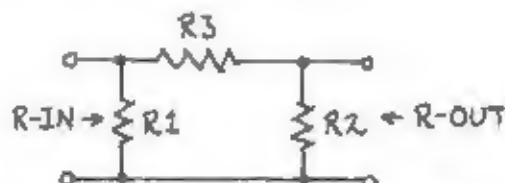
PPRAA needs you! Call Doc (W0MCT) to help with the Hill Climb. We need many more members to do all that we as a club would like to do! Join now! It is only \$7 for the rest of 1985! CHEAP! CHEAP!

BONUS PROGRAM

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100 REM * RESISTIVE ATTENUATOR DESIGN
110 REM * KEN WYATT - WASTTY
120 REM * VERSION 1.2
130 REM * 12-15-79 GENERIC VER 4-15-85
150 PRINT "Q":REM CLEAR SCREEN:CLS="N":REM INITIALIZE CHOICES
200 PRINT "      RESISTIVE ATTENUATOR DESIGN"
310 GOSUB999:INPUT"INPUT RESISTANCE (OHMS)":R1:PRINT
320 INPUT"OUTPUT RESISTANCE (OHMS)":R0:PRINT
325 IF R1<R0 THEN PRINT"R-IN MUST BE GREATER OR EQUAL THAN R-OUT":PRINT:GOTO310
340 GOSUB999:PRINT"FOR R-IN =":R1," AND R-OUT =":R0:"!"
350 MI=(10*LOG((SQR(R1/R0)+SQR(R1/R0-1))^2)/LOG(10))
355 MI=INT(MI*10000+.5)/10000
360 PRINT:PRINT"THE MINIMUM POSSIBLE LOSS IS:"MI"DB":PRINT
365 GOSUB999:INPUT"DESIRED ATTENUATION (DB)":DB
366 TE=MI:IF DB<TE THEN 360
368 N=EXP(LOG(10)*(DB/10))
370 PRINT:INPUT"DO YOU WISH A (1) PI OR (2) T":C:PRINT
380 IF C=1 THEN 500
390 IF C=2 THEN 600
400 GOTO370
500 REM * P! CALCULATION *
510 R3=1/2*(N-1)*(R1*R0/N)+.5
520 R1=1/((1/R1)*((N+1)/(N-1))-(1/R3))
530 R2=1/((1/R0)*((N+1)/(N-1))-(1/R3))
540 R1=INT(R1*100+.5)/100
550 R2=INT(R2*100+.5)/100
560 R3=INT(R3*100+.5)/100
570 GOSUB999:PRINT"P! ATTENUATOR:"PRINT
580 PRINT" R-IN = "R1,"R-OUT = "R0:PRINT
590 PRINT"  R1 = "R1:PRINT"  R2 = "R2:PRINT"  R3 = "R3
592 GOTO700
600 REM * T CALCULATION *
610 R3=2*SQR(N*R1*R0)/(N-1)
620 R1=R1*((N+1)/(N-1))-R3
630 R2=R0*((N+1)/(N-1))-R3
640 R1=INT(R1*100+.5)/100
650 R2=INT(R2*100+.5)/100
660 R3=INT(R3*100+.5)/100
670 GOSUB999:PRINT" T ATTENUATOR:"PRINT
680 PRINT" R-IN = "R1,"R-OUT = "R0:PRINT
690 PRINT"  R1 = "R1:PRINT"  R2 = "R2:PRINT"  R3 = "R3
700 PRINT:INPUT"DO YOU WISH ANOTHER (Y/N)":C$
710 IF LEFT$(C$,1)="Y"THEN100
720 END
999 PRINT"=====":RETURN
READY.

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A word from Les, KC0NC. Les said he will have the new update membership rosters at the next general membership meeting. If you wish to have a new roster, they will be available ONLY at meetings! We felt that those interested in having one will ask for one. If they are put into the newsletter, it would put the newsletter overweight and cost more to mail.

SATURDAY BREAKFAST

The Saturday breakfasts are NOT a club function, but many of the club members do show up. Usually on the first Saturday of month, we put the newsletter together for mailing. Everyone is welcome at the break which is at All the King's Men on Union Blvd across from East High. It is south of Constitution Blvd about 1/2 mile.

RAMBLINGS

FROM AROUND THE WORLD OF AMATEUR RADIO

FROM WORLDRADIO NEWS - MAY 1985

ATTN: SWLs and amateurs.

Shortwave listeners, amateurs, and radio enthusiasts are invited to join a unique shortwave listeners' club.

The Great Circle Shortwave Society is probably the only SWL club in the world devoted to shortwave listening in the 1950's and 1960's. GCSS'ers feel that the '50s and '60s were fascinating years to be SWLs and hams., and are now keeping the period alive with a newsletter devoted to tube-type equipment, nostalgia, and yes, even present-day long-wave, medium-wave, and short-wave news and loggings. Special emphasis is placed on SWLs who were active during the period between the Korean and Vietnam wars and who hold a Popular Electronics "WPE" shortwave monitor "call-signs".

For a sample newsletter and information on GCSS, send an SASE to Richard H. Arland, WPE7BYR, Secretary, Great Circle Shortwave Society, 2042C Flyer Dr., Bethel Manor, Langley AFB, VA. 23665

DAMAGED QSLs

All QSLs for N6840, official Los Angeles Olympics station, have been mailed to those who provided SASEs or SAE/IRCs. Remaining cards are enroute to bureaus. Logs are at Dick Mannheim, K6LAE, 650 Westholme Ave., Los Angeles, CA. 90024 (Callbook address) with a large supply of blank cards.

Some printer-damaged cards got into the mail. Replacements can be obtained by returning the faulty cards or by providing call, time, date, and band to K6LAE with SASEs. please do not bother Dick Ward, N660.

-Dick Mannheim - K6LAE

Are you reading this and not a club member? If that is so, why aren't you a member. We need you and your input. It only costs \$7 for the rest of 1985. See me at the meeting, I'll tell you some of what this club is about. You might even like what you see and hear. See you then?

W3GKK's seven laws of hamfests

- 1) You will buy something that does not work.
- 2) You will buy something you do not need
- 3) You will sell something you need later
- 4) You will see something at five hamfests, but will not find it at the 6th when you need it.
- 5) If you do buy something you need, and if it works, you will call it a good hamfest.
- 6) After you buy something, you will find it cheaper at two other places.
- 7) You will buy something you need, but only to find out you do not need it anymore.

- The Milliwatt, BRATS

Weller Method "TORNADO ALERT"

- 1) Warm your TV set and turn it to Chnl13
- 2) Darken the picture tube with the brightness control knob until the screen is almost totally black.
- 3) Then turn to Chnl 2 and leave the set alone.
- 4) If your screen is stark white, or turns white, or you get a picture after being black like Chnl 13, this means a tornado is within 5 to 20 mile of you or possibly closer. Head for a shelter - QUICK!!

SSTV on space shuttle

For the next space shuttle launch, NASA has given the approval to have on board slow-scan television (SSTV) relay equipment (Robot 1200C modified) for receiving on two meters. Stay tuned to W1AM and other HF SSTV nets for further info.

New band for SSTV'ers

Soon to be open is the 24 MHz band. All modes will be available, with specific areas of operation recommended by the ARRL: 24.898-24.928 MHz for CW, 24.928-24.938 MHz for RTTY, 24.938-24.990 MHz for phone, SSTV, and FAX. 24.935 MHz is suggested by the USATVS for SSTV calling/operating area.

"WHEN THINGS GO WRONG"

Anything that can go wrong, will.

According to the Air Force News Svc., the familiar "Murphy's Law" was coined in 1949 by AF Capt. Ed Murphy while on temporary assignment to Edwards Air Force Flight Test Center at Edwards AFB, Ca.

Although the original statement - "If there's any way to do it wrong, he will" was made about a technician working on a special Air Force manned rocket sled project, the remark was reformulated, termed "Murphy's Law" in honor of its discoverer, and brought up as a joke at a news conference following one of the tests.

Newspapers and magazines widely reported the statement, and applications for it were quickly found in all fields. Since its inclusion in Webster's New World Dictionary, Murphy's Law has gone legitimate.

-OFF DUTY Enterprises, Costa Mesa, CA.

Rules for selling equipment

- 1) Clean up the gear, making it presentable.
- 2) Permit a demonstration or a trial period.
- 3) When stating the selling price, be firm about the figure. (Be certain of what you want!)
- 4) If you wish to bargain, don't set the price.
- 5) If you're willing to ship it, be certain to state who pays the shipping costs.
- 6) Sometimes a better all-around transaction can be held by accepting a trade.
- 7) Under no circumstances, accept " \$10 down, and \$.30 a week!". If the buyer needs cash, let him get a loan from the bank!
- 8) Should the equipment be defective, state it and make sure the buyer knows it.
- 9) Don't be misleading. (i.e. it was only used by a grandmother to set her father's watch to WWV!)
- 10) Remember that the vast majority of hams are anxious to please the buyer.

- The Oscillator, VARC Newsletter

NOW is the time to join and help the Pikes Peak Amateur Radio Association. We have the Pikes Peak Hill Climb and Field Day coming up. We welcome your support & HELP!

Thanks to TVI...

I received a call from a resident of Shantytown, Pa., but in Inkerman. He said that a ham moved into his neighborhood recently and is now getting TVI. So he called me as a member of the club - don't know how he got my name - and I told him we could help him, and would get back to him.

I also explained that it's a two-way sort of thing, that his TV set might not be designed to work in the vicinity of a high powered transmitter.

That was OK with him, but he did want to know how a person might want to go about becoming an amateur; what he heard was interesting!

- Murgus ARCC Wilkes-Barre, PA.

Is amateur radio BIG in Japan?

I found this picture in Worldradio News and thought it might interest some. The store is in Akihabara, which is the electronic section of Tokyo. Maybe, one day, we might see something like that here!?



The largest Amateur Radio store in Akihabara is the Rocket store. It is comprised of three stories, with Amateur Radio gear on the first floor, test equipment on the second floor and computers on the third floor. (KSWK photo)

KEEP ANTENNA MOUNTS MAGNETIC

(from Oregon/Tualatin Valley Amateur Radio Club 2/85 by Carl Zelich - AA4MI)

Each morning and evening, the Kennedy Space Center "Salt Mine" net meets on our local repeater. While enjoying a round table, John McDonald - WB4ZXS was enlightening the net of the joys of owning a sportscar. In midsentence, his signal suddenly ceased. Further attempts to reach him failed. Was he in an accident? Where?

A landline call to his office later revealed that his magnetic 2 meter mobile antenna had fallen off his truck. Dragging it at 55MPH, only a few parts were retrievable, and even less were recognizable.

I know this has happened to other amateurs. Tales of other antennas being dragged to their deaths came forth. The conclusion was: spend \$50.00 and hope the magnet holds - this time! Analysis of the problems reveals that most Amateur Radio operators regularly remove the magnetic mount and toss it onto the floor behind the driver's seat. This detrimentally affects the magnet two ways. First, the antenna base eventually gets dropped onto the floor. As time passes, the drop height gets higher and higher. Unintentionally of course. This is not proper handling of the magnet. Magnets that are struck with a hammer will lose their magnetism. This repeated dropping contributes to disorienting the internal bipolar elements. Thus, the magnetic flux strength declines.

Secondly, when a magnet - even a so called "permanent magnet" is left laying around without a "keeper", the magnetic flux lines reach out to grasp other ferrous materials. A "keeper" is generally a soft iron piece which provides a bridge between the poles for the flux lines to follow. This convenient path allows the magnetic lines to concentrate and confine themselves to the keeper.

The solution to both these problems is simple. In the electrical section of your hardware store are metal ceiling electrical boxes. They are available in square, octagonal, and round shapes. These are often called "breakout" boxes because the main supply line is broken to serve a branch line.

Purchase a round steel electrical box cover. The cover normally has a diameter of 3 1/2 inches and is fine for all antenna mounts.

Place this keeper onto your magnet before putting the antenna mount onto the floor. This keeper lessens the damage done if the antenna is accidentally dropped there. The keeper can also be kept on the floor or seat behind the driver when the antenna is in the vehicle. Also, this keeper should be in place whenever you plan to store your antenna for any length of time.

For about 41 cents for a keeper, you will avoid spending another \$50.00 for a new antenna. And best of all, there is no work involved.

(Thanks to the Anchorage Amateur Radio Club Newsletter for the above. Ed)

ARES ARES ARES ARES ARES ARES ARES

Last month I left out a blurb that Jake requested. Jake wished all to know that the antenna project is off to a good start. One antenna has been installed, that may have gone up since last month, and that he has gotten donations to help the project along. Jake wishes to thank the following for their donations:

Centennial Electronics

Walker Electronics

Miley's Radio

Pikes Peak Amateur Radio Assoc.

Footprinting for the first antenna installed has been completed and exceeds the expectations. Jake said that additional sponsors are still needed to complete the project. They need not be from only commercial people. Individual donations are welcome, also.

ARES meets on the air every Wednesday evening at 7:00 PM on the 146.37/97 repeater. You need not be a member to check in. Membership in ARES is encouraged, though. To join ARES, contact Jake and he will get you the necessary forms. You don't have to be a member of PPRAA or the ARRL to join ARES.

Check into the net Wednesday and join the group. It is rewarding and hopefully, we will never need the expertise that we get on the net for a real emergency. But, if we do....

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10 REM: THIS IS A PROGRAM THAT ALLOWS QSL/SWL PRINTOUTS AFTER
20 REM: ALL INFO IS ENTERED. IF REQUIRES THAT YOU ANSWER THE
30 REM: QUESTION CONCERNING THE REPORT BEFORE BODY OF THE REPORT
  REM: IS COMPLETED. IT IS SIZED TO FIT ON A POSTCARD FOR MAILING.
40 REM: THIS PROGRAM WRITTEN BY Francis J. Drake, Jr. - KL7IPV
50 REM: 4964 Harvest Rd., Colorado Springs, CO. 80917
60 REM: WHERE "KL7IPV" APPEARS, INSERT YOUR OWN CALLSIGN.
70 REM: This program may be reproduced as long as credit is given.
80 REM: This program is not intended to be sold. April 27, 1985..
90 POKE -17423,0
100 PRINT CHR$(26)
110 CLEAR 30000
120 X$="!"
130 DIM A$(99)
140 INPUT "CALLSIGN?";A$:IF A$="NONE" OR A$="none" THEN GOTO 340
200 INPUT "GMT";B$
210 G$=" "
220 INPUT "DATE";C$
230 INPUT "BAND";D$
240 INPUT "RS/T";E$
250 INPUT "MODE - CW/SSB/DRP";F$
260 INPUT "TRANSCEIVER TYPE";S$
270 INPUT "ANTENNA TYPE";T$
280 A$(I)=A$+X$+AA$+X$+B$+X$+C$+X$+D$+X$+E$+X$+F$+X$+S$+X$+T$+X$
290 PRINT CHR$(26)
300 PRINT FRE(Z$)
310 I=I+1
320 PRINT "The number of QSL's to print is now ";I
330 GOTO 140
  3 I=0
350 INPUT "The number of QSL's to print?";P
360 IF I=P THEN GOTO 740
370 LPRINT "      FRANCIS J. DRAKE Jr., * 4964 HARVEST Rd.,"
380 LPRINT:LPRINT:LPRINT
390 LPRINT "      COLORADO SPRINGS, CO. 80917"
400 G$=" ":K=1
410 FOR J=1 TO LEN(A$(I))
420 H$=MID$(A$(I),J,1)
430 IF H$<>X$ THEN G$=G$+H$: GOTO 550
440 ON K GOTO 450,460,470,480,490,500,510,520,530
450 A$=G$: GOTO 540
460 AA$=B$: GOTO 540
470 B$=G$: GOTO 540
480 C$=G$: GOTO 540
490 D$=G$: GOTO 540
500 E$=G$: GOTO 540
510 F$=G$: GOTO 540
520 S$=G$: GOTO 540
530 T$=G$: GOTO 540
540 G$=" ": K=K+1
550 NEXT J
560 LPRINT CHR$(30)CHR$(27)CHR$(77);CHR$(27)CHR$(69)
561 T=2
562 FOR T=1 TO T+2
  3 FOR X = 1 TO 500
  4 NEXT X
565 PRINT CHR$(7)
566 NEXT T
567 PRINT "This card goes to";A$;" ."

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570 INPUT "Is this a SWL Report";EE$
575 PRINT CHR$(26)
580 IF EE$="N" OR EE$="NO" OR EE$="n" OR EE$="no" THEN GOTO 610
585 INPUT "What is the call sign of the other station heard";AA$
590 LPRINT " This is to certify that";A$;" heard the"
600 GOTO 620
610 LPRINT " This is to certify that";A$;" established"
615 AA$="KL7IPV"
620 LPRINT "two way communications with radio station ";AA$
630 LPRINT "on";D$;"MHz at";B$;" GMT, ";C$;" Your/his";F$
640 LPRINT "signals were logged: RS/T";E$;" XCVR here is";S$
650 LPRINT "running 100 watts output. Antenna is:";T$
660 LPRINT " This confirmation is sent to you as a token of"
670 LPRINT "friendship and fraternity from your brother operator."
680 LPRINT "10-X #25528 IPA #18022 NOR'E #94F9 Ak. Iditarod #42C
690 LPRINT "      Pls QSL Tnx              73, FRANK"
700 LPRINT:LPRINT
710 IF K=P THEN GOTO 740
720 IF PEEK(-17423)=>50 THEN GOTO 760
730 I=I+1; GOTO 360
740 LPRINT CHR$(11):END
750 END
760 LPRINT CHR$(11): GOTO 730
770 REM: Erase line 660 or insert your own comments before running program

```

Gateway



The ARRL Packet-Radio Newsletter

PACKET RADIO AND FIELD DAY

Due to a letter to GATEWAY from Thomas Clements III, W1CH, the ARRL Contest Advisory Committee (CAC) has approved a Field Day packet radio bonus. Field Day rules will now read: An additional 100 points can be earned by completing at least one QSO on packet radio during the Field Day period. The repeater provision is waived for the packet radio QSO's. a packet station does not count as an additional transmitter. On the summary sheet, show packet radio as a separate "band". This new bonus is in effect this year, thanks to the quick action by the CAC.

Field Day, always a day of high visibility for Amateur Radio, is now a good time to show the public and the members of your Field Day group the advantages of packet radio, Amateur Radio's newest mode. Show them that packet radio is no longer an experimental mode, but a valuable emergency communications tool. This Field Day bonus might also encourage some investigation of low-power portable packet stations. TNC, two meter rig and portable

computer might all be run from solar, wind or human power. Mr. Clements suggests the "the annual Field Day message be sent to the section manager by packet radio if possible. Perhaps some traffic handling nets could arrange to pick up messages from packet radio bulletin boards.

If you have any interesting ideas for using packet radio during Field Day, send them along to GATEWAY. Also, be sure to take some pictures of your portable packet station for the QST Field Day summary

There are many packet radio clubs throughout the U.S. They are in Arizona, Alabama, Arkansas, California, Colorado, Florida, Georgia, Illinois, Iowa, Kansas, Massachusetts, Minnesota, New Hampshire, Vermont, New Jersey, New York, Ohio, Tennessee, Texas, Utah, and Washington. If you are interested in having the addresses of those clubs, see me at the next meeting as I have a listing of them. Many of the foreign countries are also very involved in packet radio. I have those also.



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